$$2.3.2 \int 5 + \sqrt{-4}$$

$$e^{i3t} = cos3t + isin3t$$

$$\underbrace{2.3.37}_{n=3} e^{i(t+6ir)} e^{iairn} = 1$$

$$e^{i(t+2i)} = e^{it}$$

b.)



$$2.3.13$$
  $u = 3-5i$ ,  $V = -1 + 4i$   $u + v = \bar{v} + \bar{v}$ 

$$u+v = (3-1) + (-6i+4i)$$
  $\bar{u} = 3+5i$   $u+v = \bar{u}+\bar{v}$   
 $(u+v) = 2-i$   $\bar{v} = -1-4i$   $= (3-1)+(5i-4i)$   
 $u+v = 2+i$   $= 2+i$ 

$$2.3.22 \quad e^{-ibt} = (os(b) + isin(b)) : e^{-it} = (os(b) - isin(b))$$

$$e^{-ibt} = (os(b) - isin(b))$$

$$= (os(b) + i(sin(b)) = 0 + i$$

$$e^{it} = (os(b) + isin(b))$$

$$e^{it} = (os(b) + isin(b))$$